



LT- 30 / 33 / 35 /36K F1

Three Phase String Inverter

- 2 MPP trackers, Max. efficiency up to 98.6%
- Zero export application
- Offline configuration
- Wide output voltage range
- Built-in LCD display
- Smart Monitoring (Optional)

| MODEL | LT-30K F1 | LT-33K F1 | LT-35K F1 | LT-36K F1 |
|------------------------------------|----------------------------|-----------|-----------|-----------|
| Input Side | | | | |
| Max. DC Input Power (kW) | 39 | 42,9 | 45,5 | 46,8 |
| Max. DC Input Voltage (V) | 1000 | | | |
| Start-up DC Input Voltage (V) | 250 | | | |
| MPPT Operating Range (V) | 200~850 | | | |
| Max. DC Input Current (A) | 40+40 | | | |
| Max. Short Circuit Current (A) | 60+60 | | | |
| No. of MPP Trackers | 2 | | | |
| No. of Strings per MPP Tracker | 3+3 | | | |
| Output Side | | | | |
| Rated Output Power (kW) | 30 | 33 | 35 | 36 |
| Max. Active Power (kW) | 33 | 36,3 | 38,5 | 39,6 |
| Nominal Output Voltage / Range (V) | 3L/N/PE 220/380V, 230/400V | | | |
| Rated Grid Frequency (Hz) | 50/60 (Optional) | | | |
| Operating Phase | Three phase | | | |
| Rated AC Grid Output Current (A) | 45,5/43,5 | 50/47,8 | 53/50,7 | 54,5/52,2 |
| Max. AC Output Current (A) | 50/47,9 | 55/52,6 | 58,3/55,8 | 60/57,4 |
| Output Power Factor | 0.8 leading to 0.8 lagging | | | |
| Grid Current THD | <3% | | | |
| Grid Frequency Range | 45~55 lub 55~65 (Optional) | | | |
| Efficiency | | | | |
| Max. Efficiency | 98,6% | | | |
| Euro Efficiency | 97,8% | | | |
| MPPT Efficiency | > 99% | | | |
| Features | | | | |
| DC Connection | MC-4 compatible | | | |
| AC Connection | IP65 rated plug | | | |
| Display | LCD1602 | | | |
| Interface | RS485/RS232/WiFi/LAN | | | |

| MODEL | LT-30K F1 | LT-33K F1 | LT-35K F1 | LT-36K F1 |
|--|---|-----------|-----------|-----------|
| Protection | | | | |
| DC Reverse-Polarity Protection | Yes | | | |
| AC Short Circuit Protection | Yes | | | |
| AC Output Overcurrent Protection | Yes | | | |
| Output Overvoltage Protection | Yes | | | |
| Insulation Resistance Protection | Yes | | | |
| Ground Fault Monitoring | Yes | | | |
| Anti-islanding Protection | Yes | | | |
| Temperature Protection | Yes | | | |
| Integrated DC Switch | Yes | | | |
| Remote software upload | Yes | | | |
| Remote change of operating parameters | Yes | | | |
| Surge protection | DC Type II/AC Type II | | | |
| General Data | | | | |
| Size (mm), w/h/d | 362x577x215 | | | |
| Weight (kg) | 23 | | | |
| Topology | Transformerless | | | |
| Internal Consumption | <1W | | | |
| Running Temperature | -25~65°C, >45°C | | | |
| Protection Degree | IP65 | | | |
| Noise Emission (Typical) | <50 dB | | | |
| Cooling Concept | Smart cooling | | | |
| Max. Operating Altitude Without Derating | 2000 m | | | |
| Warranty | 10 years | | | |
| Operating Surroundings Humidity | 0-100% | | | |
| Safety EMC / Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | | | |
| Grid Connection Standard | VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150 | | | |